

June
2020



www.marcwireless.org

Appendix A - Field
Day Log: Page 14

Appendix B – ARRL
Sections: Page 15

Appendix C - W1AW
Sched: Page 16

Appendix D – Field
Day Submission Sheet:
Pages 17 - 18

Appendix E – ARRL
Field Day Rules: Pages
19 – 25

Appendix F – MARC
2019 Field Day Online
Submission Results:
Pages 26– 27

Appendix G – MARC
2019 Field Day Dupe
Sheet Sample Page 28



DYI Field Day Event Station

With Social Distancing constraints presented to us this year, members of the Board have accepted ARRL's recommendations for using these unique circumstances presented this year and have our club try something new. One of their recommendations was to encourage club members to operate from their home stations on emergency power. Taking this recommendation and two temporary rule waivers instead of MARC participating as a large group this year, have members consider operating as their own Field Day Event Station utilizing their own call sign.

One of these temporary rule waivers allows aggregate club scores to be published, which will be the sum of all individual entries indicating a specific club. Ordinarily, club names are only published in the results for Class A and Class F entries, but the temporary rule waiver for 2020 allows participants from any Class to optionally include a single club name with their submitted results following Field Day. For example,

this would allow Fred, N0NNO to use his home station running on battery power to operate as a Class E event station, Craig, W7EEO to use his home station on commercial power as a Class D event station, Doug, AG7OG to partner with Chuck, KF7UTN having alternative powered station operating as a class E event station, and other members with their own stations operating on Field Day. They all would participate as individual event stations with their personal call signs. When they submit their personal station scores to ARRL, they would include the McMinnville Amateur Radio Club as their radio club on item 2 of the submission form. When the Field Day results are published, the publish results would include their individual scores, plus there will be a combined score of all associated member entries listed for the McMinnville Amateur Radio Club. This waiver allows for recognizing the value of the efforts of the individual members and the club membership as a whole.

Other recommendations are to have continuous communication between the individual event stations. We've chosen to handle this in two ways. One is using W7RXJ, the MARC Repeater (146.40 pl 100), as connection between stations. As the Chairman of the MARC Field Day Committee I will be net control for about 4 nets on Saturday (about 11 am – 8 pm) and 2 nets on Sunday (about 8 & 11 am), approximately three hours apart. K7RMO, Rusty will start a 24 hour Video Conference that can be joined by club members and event stations as they desire. More information will be provided closer to Field Day.

Hopefully we can get many members of MARC can be involved. For the last two years we had QSO counts that attributed to points in our total point score that were made strictly on VHF/UHF simplex (repeater QSOs don't count). With over 40 members in the club, if all were to get on their VHF transceiver, there is a good chance each could make at least 10 QSOs and then try UHF, many could get over 20 QSOs. This could easily add over 1000 points to the club's total point score! This is just by having QSOs with MARC members on VHF simplex. Folks like K7RMO and W7IG can be heard by nearly everyone on 2m simplex. Some folks don't have a full featured home stations, but I've seen a few FT450D all band all mode radios that are used in personal Go-Kits. Using these their HF abilities and having a simple 20 meter dipole strung between two trees can give the possibility of even more contacts on Single Side Band. With a 40 meter dipole at less than optimum height would bring in lots of California stations in the evening and night. I believe we could convince a few members to build several 20 meter or 40 meter dipoles for others.

As the chairman of Field Day, I've tried to make it easy as possible for group to follow the rules of Field Day for the Class A event stations we had at Camp Smith. With social distancing in place, each member responsible for their own event station, with this document and the presentation at Junes Video Conference General Club Meeting, I'm trying to present a guide for a Do It Yourself Field Day.

Overview

Getting Your Station Ready

For Portable stations, everything must be setup after 11:00 am June 26th. Mobile and Home stations can be setup at anytime.

Operating Period

All station may begin operating after 11:00 am June 27th, and must complete by 11:00 am June 28th

Operating

HF bands are limited to 160, 80, 40, 20, 15, 10 meters. 6, 2, 1.5 meters and 70 cm are also considered different bands. Higher frequencies may be used but are lumped into the "other" band for scoring and duplication tracking. Each event station may only work with a single call sign. The owner of the call sign cannot work on other event stations under a different call sign.

Event stations have only a single exchange. This exchange must be given in the QSO along with the event stations call sign. The exchange is a combination of the number of possible concurrent transceivers, Station Class, and ARRL Section the station is located in (see Appendix B for ARRL Section designations and their abbreviation). Transmitting modes allowed are CW, Digital, and Phone. CW & Digital earn extra points when scoring. All digital modes are equivalent. For example, a QSO made using FT8 is considered a duplicate if a QSO has previously been made on the same band using PSK31 with the same event station. Duplicates are considered a repeated QSO with another event station that has the same call sign, same mode, and is on a band that a previous QSO with them was performed. For example: If I were to have a second QSO with AG7OG on 20 meter phone, that would be considered a dupe, but it would not be a dupe if I were to have a second QSO with AG7OG on 20 meters if we used a digital mode instead. A third could be had if the mode was CW.

Determining Your Station's Exchange

Field Day station exchanges are classified according to the maximum number of simultaneously transmitted signals, followed by a station designation indicating the nature of their individual or group participation and the ARRL Section the station is located within.

In the last several years MARC's Field Day event station has operated with the exchange 4 A Oregon. We operated up to 4 simultaneous transceivers with a Class A (Club / Non-Club Portable) designation. The important factor here is the term Portable. Your station designation will be based upon your nature of your station.

Simultaneous Transceivers

The minimum number of transceivers that must be claimed is one (1). The maximum number of simultaneous transceivers is 20. Your value will be the maximum number of transceivers that can have a distinct licensed radio operator designated as the Control Operator for that transceiver. If there are more radios than control operators, the number is set by the number maximum number of control operators if they all work a radio at the same time. If there are more possible control operators than there are transceivers the number will most likely be the number of transceivers. This number is the maximum usage planned for the full 24 hour period of the Field Day event. At the 2018 and 2019 MARC Field Day event, while we had more than 4 radios and around 17 operators, we used a token system, that limited the maximum number of simultaneously operating transceivers to four. Home stations usually use a 1, though a higher number is possible if there are additional licensed operators working transceivers simultaneously. Last year there were a handful of stations that operated as 5E.

Station Designation

There are 6 class designations for Field Day Event Stations, Class A, B, C, D, E, F.

(Class A) Club/Non-Club Portable: This is the more traditional station designation of club Field Day event station operations. This is a field day station that can have up to 20 simultaneous transceivers, all radio equipment is temporarily placed, I a significant distance from a residence, power is non-commercial power, usually by generator, and all radio based equipment setup like antennas were placed no more than 24 hours prior to the start of field day.

On May 28, the ARRL Board changed the rulings to allow aggregated scores of individual event stations to be rolled up into a score related to a club. This allows club to follow social distancing guideline with club members operating their personal station as a Class B, C, D, or E event station, but still have a club total to

work towards as a team. Operating class A event station by a club is mutually exclusive for allowing the members individual stations to report an aggregate score.

(Class B) Portable: This is a Field Day station set up and operated by no more than two persons. One and two person Class B entries will be listed separately. With the portable designation, this should not be a backyard station, but is expected to be set up remotely and away from the amenities of a home. There were 376 Class B entries in 2019, several with just a single QSO.

(Class B) Battery Portable: This is a Field Day station set up and operated by no more than two persons. All QSOs must be made using an output power of 5 Watts or less and the power source must be something other than commercial mains or motor-driven generator. One and two person Class B - Battery entries will be listed separately. Of 2019's class B event stations, only about 10% were Battery Portable.

(Class C) Mobile: These are stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile. If the Class C station is being powered from a vehicle battery or alternator, it qualifies for emergency power but does not qualify for the alternate power multiplier of 5, as the alternator/battery system constitutes a motor-driven generating system and not a naturally powered system. There were 44 Class C entries in 2019.

(Class D) Home Stations – Commercial Power: These are stations operating from permanent or licensed station locations using commercial power. Class D stations ordinarily may only count QSOs made with Class A, B, C, E, and F Field Day stations, but the temporary rule waiver for 2020 allows Class D stations to count QSOs with other Class D stations for QSO credit as well.

(Class E) Home Stations - Emergency Power: Same as Class D, but using emergency power for transmitters and receivers. Class E have always been allowed to work all Field Day stations. The distinguishing feature of Class E from Class D is that the emergency power requirements provides an adder of 100 points to the calculation of the station's total score. In 2019 the Class D and E stations was nearly 40% of the Field Day stations. Some reporting just 2 QSOs.

(Class F) Emergency Operations Centers (EOC): This is an amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Similar to Class A stations, Class F stations are eligible for a free VHF station. At Class 2F they are also eligible for a GOTA station. Class F stations scores may not roll up into an aggregate with a club

The intent of the Portable phrase within the Class A and B designations are for those stations that will be a 'good hike' away from a home station clearly away from home conveniences. Also away from home utilities, or home restrooms/bedrooms, or even eating facilities/refrigerator/kitchen. So even if you are using temporary antennas and working in a tent in your back yard or in a run-in shed down by your shop, that isn't following the intent of a Class A or B station.

This primarily leaves MARC members to choose a Home station class (Class D or Class E) for our DIY Field Day event stations. While home stations are allowed to use permanent facilities, temporary antennas may be put up for the event. This is a good time (and excuse) for experimentation. Class E does require that non-commercial power be used. This primarily means Battery or Generator. If you choose to use commercial power you should be Class D. With the 2020 rule waiver there is basically no real advantage for QSO counts between a Class B Portable and a Class E emergency. Though use of only emergency power that a Class E is required, the use of emergency power only, provides a 100 point adder to the event stations QSO score. QSO counts are the total number of QSOs that have been made. QSO scores are the total points that have been assigned to the QSO count by the multipliers and adders that can be obtained. More of this in the scoring section.

ARRL Sections

The last part of the exchange is the identifier for the ARRL Section that the event station is located within. While some states have multiple ARRL sections like California, Oregon only has one section. All ARRL event stations located within Oregon have the section exchange of “Oregon”. When logging a QSOs section in their exchange, there are several sections with similar sounds, Orange County California is often just called Orange, which can sound like Oregon, Pay attention to the call sign area number within the call sign. Usually a station within Orange County will have a 6 for the call sign area number. There is a ARRL Section Abbreviation list provided in Appendix B, page 15, of this newsletter.

Operating Requirements

Who is in control?

On Field Day with multiple transceivers, you often operate using using another call sign than your own, usually a special event call sign, or a club call sign. The station licensee or club call trustee is ultimately responsible for all transmissions from their station. During Field Day with multiple transceivers, with the Field Day event station using a single call sign, the station licensee must designate a control operator(s) who is responsible for the operation of that station when the licensee is not in direct control. Both the station licensee and the control operator are equally responsible for all transmissions (97.103(a) and(b)). When the station licensee designates others as control operators, they should make a note in the log. If the event stations call sign is that of an Extra. Does this mean the station can operate on any frequency permitted to an Extra? No. Many people mistakenly believe that a club call sign automatically carries the operating privileges of the call sign trustee. That is not true. A club call sign comes from a station license and carries no operating privileges. A station may only operate according to the privileges of the Control Operator at the control point for that station. For example, if a control operator is a General, that transmitter may only operate using General class privileges. If there are multiple operators, all participants must sign-in, a copy of this sign-in is required for some bonus points.

Log Sheet

A copy of the MARC club Log Sheets are provided in the Appendix A, page 14, of this news letter.

On the Log Sheet header there are two items that will be constant for all sheets.

Call Used: Call sign used for the Field Day event station. For Class D and Class E operations this would be your most like your personal call sign.

Exchange Sent: The exchange you would provide to contacts about your station. For Class D operations in Yamhill County with one transceiver, it would be 1-D-Oregon, for Class E operations in Yamhill County with a single transceiver it would be 1-E-Oregon.

There are six columns on the log sheet that allow for 25 entries. These columns are:

Band: The normalized wave length in meters of the frequency you are using. Field Day logs can not include QSOs made on the 2200, 630, 60, 30, 17 and 12 meter amateur bands. And all amateur bands above 30 MHz are allowed.

Operator Call: Call sign of the station control operator for the QSOs. For a 1D or 1E station classification, it would be your call sign which should match the Call Used item in the header. For multi-operator stations, it would be the current radio operator, or control operator present the control operators call sign.

Mode: Mode of Modulation this should be either Phone, CW, or Digital. Stations can be worked once per band per mode under this rule. The use of more than one transmitter at the same time on a single band-mode combination is prohibited

Time: The time of Day. Can be either Local or UTC but stick to one and can be tracked to the nearest 5 minutes.

Station Worked: Call sign of the station. Print clearly, later you may not recognize a U from a V, an I from an L, a 5 from an S, an F from a T, or if you worked KO0000 in Las Vegas you will need to have your zeros (0) easily distinguishable from the letter O's.

Exchanged Received: Exchange provided to you by the contact. This is made up from their number of concurrent transmitters (Minimum of 1 maximum of 20), their event station Class (A, B, C, D, E, or F), and their ARRL section they are located within. The section value must be one of the sections listed in the ARRL / RAC Section Abbreviation List provided in appendix B, page 15.

Scoring

Your total score points are based upon the number of QSOs that were made. There is a multiplier that applied to the QSOs depending upon the modulation mode. Those QSOs made using Digital or CW have a higher score multiplier than Phone QSOs. An additional multiplier is applied to your total QSO points is applied depending on your max RF power used during the event. Bonus points are then added to your final QSO point total by performing additional tasks.

QSO Multipliers

- Your total count of Phone QSOs are multiplied times 1, giving you one point for each Phone QSO.
- Your total count of CW QSOs are multiplied times 2, giving you two points for each CW QSO.
- Your total count of Digital QSOs are multiplied times 2, giving you two points for each Digital QSO.
- One of two RF Power multiplier can be applied to the total QSO point score if all the contacts from all the transmitters fit one of the these two situations
 - A multiplier of 5 may be applied if all transmitters are operated by battery and use no more than 5 watts of RF power (QRP)
 - A multiplier of 2 may be applied if all transmitters are operated with no more than 150 watts of RF power.
 - The multiplier for QSO's made with greater than 150 watts up to the legal power is 1, so no increase of point score is available for high power.
- The value for the RF power is determined from the Maximum RF power used during the total event.

Bonus Point

Bonus Points are available for performing certain activities. The scoring sheet has some activities that don't fit in with social distancing, so they would not be allowed when doing the aggregated scoring. The bonus activities below are all allowed for our DYI Field Day approach. Others like GOTA, Safety Officer, and Satellite QSO only apply to class A and F event stations which don't fit the aggregate scoring model.

- **Emergency Power:** 100 point adder if running on emergency power for the full event. Applicable to Class A, B, C, E, & F.
 - Emergency power includes standard generators and batteries that have been charged by commercial mains or generator.
- **Natural Power:** 100 point adder if 5 or more QSOs were made on emergency power that is from natural sources or batteries meeting specific conditions to be classified as natural power.
 - Battery's can be included for this, but the initial charge of the battery should be purely solar, wind, or other natural power.
 - Photos of natural power source or a written statement must be provided in submission as proof.

- These 5 or more QSO's will need to be documented as well.
- W1AW Bulletin: 100 point adder for copying the special Field Day bulletin transmitted by W1AW (or K6KPH)
 - Schedule of bulletin transmissions is included in this news letter's Appendix C.
 - A copy of the complete transmission text is required to be included with the entry submission.
- Education Activity: 100 point adder may be claimed for a specific educational-related activity.
 - Class D & E stations must have 3 or more participants (listed in sign-in sheet) which a copy will need to be in the submission. Education must be radio related. A demonstration of SSTV, Vector Network Analyzer, or just the training of understanding the impacts of the ALC, Microphone Gain versus AF gain, noise blanker and filters could be topics.
 - Photo(s) or a written statement are required as proof.
- Youth Element: 20 point adder for each participant under the age of 18 that makes 1 or more QSOs.
 - Class A, C, D, E, or F get 20 points for each participant under the age of 18 so if your kids or grandkids are part of your family group have them use the radio for a bit as operators.
 - Your sign in sheet will need to have the list of participants, and highlighting those under 18.
- Web Submission: 50 point adder for web submission of your Field Day Entry.
 - ARRL has a web based Field Day Entry Submission form: <https://field-day.arrl.org/fdentry.php>
 - Proof of bonus points and Dupe sheets can be uploaded at time of submission, or later if required up to July 28, 2020
- Social Media: 100 point adder for active Social Media presence.
 - Include the hash tag #ARRLFD in your Twitter tweets.
 - Post photos and or comments your actions on your favorite social media site through out the event. Simply posting a single tweet on Twitter does not qualify. The intent is to have an ongoing, active presence on your chosen social media platform/s during your entire operation
- NTS/ICS-213 Message Handled: There is a 10 point adder for up to a maximum of 100 points (ten messages).
 - Copies of each message must be included with the Field Day report. Available to all Classes. All messages claimed for bonus points must leave or enter the Field Day operation via amateur radio RF.
 - Format of message should be in either NTS or ICS-213 forms.

Reporting Requirements

Field Day entries must be submitted by July 28, 2020.

Appendix D included in this newsletter (pages 17 & 18) is a Field Day Entry Submission Sheet. Use this for your draft calculations and results, then to get an extra 50 points, by submitting it electronically via the online web form.

ARRL has provided a web tool allows you to electronically submit your Summary Sheet and all bonus documents and other required information to the ARRL, getting your information directly and immediately into a database for inclusion.

You earn a 50 point bonus for submitting everything via the <http://field-day.arrl.org/fdentry.php> web app.

The web app form follows the information on the official ARRL Field Day Entry Submission Sheet. Just fill in all the blanks and attach your supporting files. The web app will prompt you if there is invalid or incomplete information. Once that is done, just click <SUBMIT ENTRY> at the bottom of the form and your Field Day summary information will be on its way to the ARRL, with confirmation emailed back to you for your records.

Again, if you use the web app, you can attach everything there (dupe sheets, bonus documents, photos, etc).

If you do not receive a confirmation number or confirmation email, your entry was not submitted.

The text version is two pages, with 20 fields. The online version follows the form closely, but math is performed for you as are the multipliers and bonus points based on data entered.

1. Field Day Call Used: The call sign used by your event station.
2. Club or Group Name: To associate your event station to MARC, please enter McMinnville Amateur Radio Club in field 2. There are other MARC's out there so fully qualify the name.
3. Number of Participants: Give the number of persons who participated in your Field Day event station. If it is more than 1 you will need a sign in sheet to document this. This is the total number, not just those who operated one of the designated concurrent stations.
4. Number of Transmitters in Simultaneous Operation: The maximum number of transmitters that were transmitting at a given moment. For most, this is most likely will be 1.
5. Field Day Call Used: The call sign used by your event station.
6. Entry Class: Most likely a D or E.
7. Your ARRL / RAC section: For those of us in Yamhill County, it should be Oregon
8. Total number of CW QSOs: In the first blank list the number of raw non-duplicate CW QSOs. Multiply the CW QSO total by 2 and enter the CW QSO point total in the second blank.
9. Total number of Digital QSOs: On the first blank list the number of raw non-duplicate Digital QSOs. Multiply the Digital QSO total by 2 and enter the QSO point total in the second blank.
10. Total number of Phone QSOs: In the first blank, list the number of raw non-duplicate Phone QSOs. Phone QSO's have no QSO multiplier so enter the same number in the second blank.
11. Total QSO Points: Add the CW, Digital and Phone QSO points and enter here.
12. Power Multiplier: Select the category that corresponds with your power multiplier.
13. Enter the power multiplier from the Item 12 selection onto this line.
14. Multiply line 11 times line 13 to calculate your claimed score, exclusive of bonus points.
15. Bonus Points Claimed: All categories now qualify for certain bonus points. Check each box for which you are claiming the earned Field Day bonus points.
 1. You must submit proof of all bonus points claimed or they will be disallowed. Proof for each may be in the form of photographs, copies of visitor logs, copies of press releases issued or newspaper articles printed, marked log excerpts showing Satellite and Natural power QSOs. A written statement signed by a club or group official will suffice for the Emergency Power, Public Place, Information Booth, Social Media and Site Visit bonuses. A written statement from the Safety Officer is required to claim that bonus. You must provide serviced copies of any messages claimed for bonus credit. To claim the W1AW bulletin bonus, your copy of this bulletin must be included with the entry submission.
 2. Clear photos or scanned pictures of documents are permitted for electronic submission.
 3. The online version has file uploads associated to specific bonus items.
16. Check this space if you have also submitted the entry via the field-day.arrl.org web app. This question is not asked on the app.
17. Individuals must date, and sign the Summary Sheet. Please provide a mailing address and e-Mail address (if available) in case questions arise with the entry.
 1. Online submission providing your email, call sign, and name equivalent to signing paper form.
18. On the 2nd page, you must include a band and mode breakdown of QSOs.
19. The list of GOTA station operators/participants must be shown, and the number of QSOs each made must be listed in order to claim the GOTA bonus.
 1. Only class A and stations can have a GOTA station.

20. If your group claims the Youth Element bonus, give the number of youth participants (18 years old or younger) who completed a QSO and the total number of youth attendees.

1. Youths claimed for the Youth element must be identified in the sign-in sheet.

A complete Field Day Web Applet Submission site entry consists of:

- An official ARRL summary sheet which is completed via the web site
- Supporting information uploaded via web app. Supporting information must include:
 - Dupe Sheet
 - An attached list of stations worked sorted by band/mode during the Field Day period
 - Transcribe your log data to a spread sheet and sort by band, mode and remove any duplicates to get the counts for reporting. Save this as CSV file and upload this as the Dupe Sheet
 - A copy of what MARC 2019 dup sheet first page looked like is in Appendix G
 - Proof of all bonus points claimed (copies of visitor sign-ins, NTS messages handled, photographs, etc).
 - For electronic submission clear photos or scanned images work well.

After submission of your Field Day information, the web app will display a confirmation number and email a confirmation of your Field Day entry to the email address entered via the app.

Please be sure to record this confirmation number and/or save the confirmation email.

The complete Field Day results are not published until the December Issue of QST. So there is a bit of a wait to see how we compare with the rest of the clubs. I suspect the percentage of Class D & E event stations will increase dramatically.

Last year's MARC Club online submission is included in this newsletter's Appendix F.

The complete ARRL Field Day Packet PDF that was updated on June 1 can be found at:

<http://www.arrl.org/files/file/Field-Day/2020/2020%20Field%20Day%20Packet%20Rev%20a.pdf>

YCARES Emergency Frequency List

The list of frequencies provided here are published to all Hams to be informed of where communications operations will occur within Yamhill County during emergency operations. All ARES members should have the repeaters and simplex frequencies programmed into their primary hand held VHF/UHF radio. MARC members are encouraged as well. Simplex Frequencies can change or added due to conditions and needs. Know how to add and change simplex frequencies in VFO Mode on your radio!

Priority	Mode	Frequency PL Tone	Offset	Call
Primary	Repeater	441.800 MHz 114.8 Hz	+5.0 MHz	W7YAM
Secondary	Repeater	146.640 MHz 100.0 Hz	-0.6 MHz	W7RXJ
Tertiary	Repeater	442.550 MHz 114.8 Hz	+5.0 MHz	KOINK
Primary	Simplex	146.400 MHz	VHF	
Secondary	Simplex	147.520 MHz	VHF	
Primary	Simplex	432.150 MHz	UHF	
Secondary	Simplex	431.150 MHz	UHF	
Eola Hills	WinLink	144.920 MHz	VHF	W7YAM-10
EOC	WinLink	144.960 MHz	VHF	W7YAM-11
Eola Hills	WinLink	441.050 MHz	UHF	W7YAM-12
Newberg Dundee	Winlink	145.080 MHz	VHF	W7OWO-10

Local Nets

MARC Net			YCARES Net			
Monday June 8 th	7:00 pm	146.640 - PL100	Monday June 8 th	7:30 pm	441.800-PL114.8	Darrell/KK1NP
Monday June 15 th	7:00 pm	146.640 - PL100	Monday June 15 th	7:30 pm	441.800-PL114.8	Norm/KF7PPQ
Monday June 22 nd	7:00 pm	146.640 - PL100	Monday June 22 nd	7:30 pm	441.800-PL114.8	Alan/KF7PPS
Monday June 29 th	7:00 pm	146.640 - PL100	Monday June 29 th	7:30 pm	441.800-PL114.8	Mike/W7ISE
Monday July 6 th	7:00 pm	146.640 - PL100	Monday July 6 th	7:30 pm	146.640-PL100	Keith/AA6TK
Monday July 13 th	7:00 pm	146.640 - PL100	Monday July 13 th	7:30 pm	441.800-PL114.8	Anthony/KI7ZBQ
Monday July 20 th	7:00 pm	146.640 - PL100	Monday July 20 th	7:30 pm	441.800-PL114.8	Burt/K3BRT
Yamhill County Weather Spotter Net			CERT Net			
Sunday June 21 st	6:00 pm	146.640 - PL100	Sunday June 21 st	7:00 pm	146.640 - PL100	

*Special Services
Club*

About Us

The McMinnville Amateur Radio Club
PO Box 891
McMinnville, Oregon 97128

The McMinnville Amateur Radio Club (MARC) was founded in mid- 1981 by a group of Yamhill County area amateur radio operators who wished to share their common interests. An association was formed of men and women devoted to probing all facets of amateur radio.

2019 Club Officers

President	Anthony Perez, KI7ZBQ	anthony.perez@marcwireless.org
Vice President	Jeff Monahan, NI7X	jeff.monahan@marcwireless.org
Secretary	Jayne Wolf, KI7MZP	jayne.wolf@marcwireless.org
Treasurer	Katie Perez, KI7ZLL	katie.perez@marcwireless.org
Board Member	Craig Merrick, W7EEO	craig.merrick@marcwireless.org
Board Member	Fred Rodley, N0NNO	fred.rodley@marcwireless.org
Board Member	Brian Wright, W7OWO	brian.wright@marcwireless.org

May 31st Treasurer's Report

Account	Funds
Repeater Maintenance & Project Account	\$5,503.90
Education Fund	\$230.63
MARC Business Account	\$2,072.21
Paypal Online Account	\$181.49
Total:	\$7,988.23

Local Open Repeaters

W7RXJ 146.640- PL tone 100 Hz
W7YAM 441.800+ PL tone 114.8 Hz
K0INK 442.550+ PL tone 114.8 Hz

Repeaters

If you have a newsworthy small point of interest you would like presented in the MARC newsletter. Here is the place for them. Just send an email to me at W7OWO@marcwireless.org. Entries may require Board approval.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
May 31	June 1 Club Net YCARES Net	2	3 Special Net	4 Zoom Board Meeting	5 Special Net	6
7	8 Club Net YCARES Net	9	10 Special Net	11 Zoom General Club Meeting	12 Special Net	13
14	15 Club Net YCARES Net	16	17 Special Net	18	19 Special Net	20
21 WX Net CERT NET	22 Club Net YCARES Net	23	24 Special Net	25 Zoom YCARES Meeting	26 Special Net	27
28	29 Club Net YCARES Net	30	July 1	2 Zoom Board Meeting	3	4
5	6 Club Net YCARES Net	7	8	9 Zoom General Club Meeting	10	11

2020 MEMBERSHIP APPLICATION

(A completed application form must be included with yearly dues)

Please print:

Name: _____ Call Sign: _____ Class: T G A E

E-mail address (required): _____ @ _____

Address: _____

City: _____ State: _____ Zip: _____ Phone #: _____ Home / Mobile
(circle one)

Date first licensed: _____ / _____ Birthday: _____ / _____ ARRL Member? Y / N
month year month day

Renewal? Yes / No New? Y / N (New to MARC? You will receive a MARC Membership Badge!)

Annual Club Membership - **\$20.00** per person/family at the same address..... **\$ 20.00**

Your MARC membership begins from date of signup or renewal to December 31 of the same calendar year.

Additional Voluntary donation – for repeater support and club projects..... **\$ ____**
Total \$ ____

Additional Family Members:

(**ALL** family members must reside at the same address.)

Name: _____ Call sign: _____ Birthday: _____ / _____ Class: T G A E

E-mail address: _____ @ _____ ARRL? Y / N Renewal Y / N

Name: _____ Call sign: _____ Birthday: _____ / _____ Class: T G A E

E-mail address: _____ @ _____ ARRL? Y / N Renewal Y / N

Please include any additional family members on back.

I do / do not want my name, call sign, email & phone number published to the membership

Circle one

Signature of Applicant: _____ Date: _____

Initial Here

Make check payable to “MARC”. Give to Club Officer or mail application to:

McMinnville Amateur Radio Club
PO Box 891
McMinnville, OR 97128

Club meetings are the **second** Thursday of each month at 7PM:

OSU Extension Service Office
2050 NE Lafayette Ave
McMinnville, OR 97128

For Office Use Only:

Processed by Treasurer: _____ Secretary: _____

Date Received: _____

Cash/Check #: _____

Amount: _____

Receipt: _____

Appendix A



2020 McMinnville Amateur Radio Club Field Day Log

Call Used: _____

Exchange Sent: _____

	Band 80 40 20 15 10 6 2	Operator Call	Mode	24 Hr PDT Time	Station Worked	Exchange Received
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

Comments: _____

Appendix B

ARRL / RAC Section Abbreviation List

1			
Connecticut	CT	Rhode Island	RI
Eastern Massachusetts	EMA	Vermont	VT
Maine	ME	Western Massachusetts	WMA
New Hampshire	NH		
2			
Eastern New York	ENY	Northern New York	NNY
NYC / Long Island	NLI	Southern New Jersey	SNJ
Northern New Jersey	NNJ	Western New York	WNY
3			
Delaware	DE	Maryland – DC	MDC
Eastern Pennsylvania	EPA	Western Pennsylvania	WPA
4			
Alabama	AL	Southern Florida	SFL
Georgia	GA	Tennessee	TN
Kentucky	KY	Virginia	VA
North Carolina	NC	West Central Florida	WCF
Northern Florida	NFL	Puerto Rico	PR
South Carolina	SC	US Virgin Islands	VI
5			
Arkansas	AR	North Texas	NTX
Louisiana	LA	Oklahoma	OK
Mississippi	MS	South Texas	STX
New Mexico	NM	West Texas	WTX
6			
East Bay	EB	San Diego	SDG
Los Angeles	LAX	San Francisco	SF
Orange	ORG	San Joaquin Valley	SJV
Santa Barbara	SB	Sacramento Valley	SV
Santa Clara Valley	SCV	Pacific	PAC
7			
Alaska	AK	Nevada	NV
Arizona	AZ	Oregon	OR
Eastern Washington	EWA	Utah	UT
Idaho	ID	Western Washington	WWA
Montana	MT	Wyoming	WY
8			
Michigan	MI	West Virginia	WV
Ohio	OH		
9			
Illinois	IL	Wisconsin	WI
Indiana	IN		
0			
Colorado	CO	Missouri	MO
Iowa	IA	Nebraska	NE
Kansas	KS	North Dakota	ND
Minnesota	MN	South Dakota	SD
Canada			
Maritime	MAR	Saskatchewan	SK
Newfoundland/Labrador	NL	Alberta	AB
Quebec	QC	British Columbia	BC
Ontario East	ONE	Manitoba	MB
Ontario North	ONN	Northern Territories	NT
Ontario South	ONS	Greater Toronto Area	GTA
Prince Edward Island	PE		

Non US / Canadian stations should be logged as DX

Appendix C

2020 W1AW FIELD DAY BULLETIN SCHEDULE

Day	Mode	Pacific	Mountain	Central	Eastern	UTC
FRIDAY	CW	5:00 PM	6:00 PM	7:00 PM	8:00 PM	0000 (Sat)
	Digital	6:00 PM	7:00 PM	8:00 PM	9:00 PM	0100
	Phone	6:45 PM	7:45 PM	8:45 PM	9:45 PM	0145
	CW	8:00 PM	9:00 PM	10:00 PM	11:00 PM	0300
SATURDAY	CW	7:00 AM	8:00 AM	9:00 AM	10:00 AM	1400
	Phone	8:00 AM	9:00 AM	10:00 AM	11:00 AM	1500
	CW	5:00 PM	6:00 PM	7:00 PM	8:00 PM	0000 (Sun)
	Digital	6:00 PM	7:00 PM	8:00 PM	9:00 PM	0100
SUNDAY	Phone	6:45 PM	7:45 PM	8:45 PM	9:45 PM	0145
	CW	7:00 AM	8:00 AM	9:00 AM	10:00 AM	1400
	Phone	8:00 AM	9:00 AM	10:00 AM	11:00 AM	1500
	Digital	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1600

K6KPH Field Day Bulletin Schedule

SATURDAY	CW	7:30 AM	8:30 AM	9:30 AM	10:30 AM	1430
	CW	5:30 PM	6:30 PM	7:30 PM	8:30 PM	0030 (Sun)
	Digital	6:30 PM	7:30 PM	8:30 PM	9:30 PM	0130
SUNDAY	CW	7:30 AM	8:30 AM	9:30 AM	10:30 AM	1430
	Digital	9:30 AM	10:30 AM	11:30 AM	12:30 PM	1630

W1AW will operate on the regularly published frequencies.

CW frequencies are 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350 and 147.555 MHz.

Digital frequencies are 3597.5, 7.095, 14.095, 18.1025, 21.095, 28.095, 50.350 and 147.555 MHz. (Note: W1AW will transmit the Field Day Bulletin using 45.45 baud baudot, PSK31 (BPSK Mode), and MFSK16 in this mode order).

Phone frequencies are 1.855, 3.990, 7.290, 14.290, 18.160, 21.390, 28.590, 50.350 and 147.555 MHz.

The Maritime Radio Historical Society's station K6KPH will transmit the "W1AW" Field Day message for the benefit of West Coast stations on 3.5815, 7.0475, and 14.0475 MHz. The frequencies for K6KPH Teleprinter (RTTY, PSK31 and MFSK16) will be 3.5975, 7.095 and 14.095 MHz (in this mode order).

Information is current at the time of publishing this packet. Be sure to check the ARRL Main News page (www.arrl.org) if case of any last-minute changes.

Revised: 2/2020

Appendix D



Field Day

Please write legibly. Make certain you have filled out this form completely and have enclosed any required dupe sheets, photographs and bonus claims.

Entries must be postmarked within 30 days of the end of the event and mailed to:

Field Day Entries
ARRL
225 Main St.
Newington, CT 06111 USA

1. Field Day Call Used _____ GOTA Station Call _____

2. Club or Group name (Class A or F only) _____

3. Number of Participants _____ 4. Number of Transmitters in Simultaneous Operation _____

5. Entry Class: Check only one.

A. Club or non-club group portable

C. Mobile

B. 1 or 2 person non-club Group portable

D. Home station commercial power

List call of 2nd operator: _____

E. Home station emergency power

F. EOC Station

6. Power Source: Check all that apply

Generator Commercial mains Battery Solar Other (list): _____

7. ARRL / RAC Section _____ (see <http://www.arrl.org/contest-sections-list> for a sections list)

8. Total CW QSOs _____ x 2 = Total CW QSO points _____

9. Total Digital QSOs _____ x 2 = Total Digital QSO points _____

10. Total Phone QSOs _____ x 1 = Total Phone QSO points _____

12. Power Multiplier (select only one)

5 Watts or less and Battery powered = 5

150 Watts or less = 2

Over 150 Watts = 1

(transfer number selected {1 or 2 or 5} to line 13)

11. Total QSO points _____

13. Power Multiplier _____

14. Claimed QSO Score _____

(line 11 x line 13)
(excluding bonus points)

15. Bonus points claimed: Check each block as appropriate and include required proof of points with your submission. All bonus points will be verified at ARRL HQ and added to your score.

100% Emergency power (Max. 20 transmitters)

Media Publicity

Set-up in Public Place

Information Booth

Message to ARRL SM/SEC

WIAW Field Day Message

NTS/ICS-213 messages handled (# _____)

Satellite QSO completed

Natural power QSOs completed

Site Visit by invited elected official

Site Visit by invited served agency official

Educational Activity Bonus

Youth Element achieved

GOTA Bonus (total bonus points: _____)

Submitted using the web app field-day.arrl.org

Safety Officer Bonus

Social Media Bonus

Total Bonus Points Claimed: _____

16. Check here if your entry was also made online at:

field-day.arrl.org

17. I/We have observed all competition rules as well as all regulations for amateur radio in my/our country. My/Our report is correct and true to the best of my/our knowledge. I/We agree to be bound by the decisions of the ARRL Awards Committee.

Date: _____

Call: _____

Signature: _____
(signature/call of club president or authorized club representative)

Address: _____

Address: _____

E-mail Address: _____

You must complete the Band/Mode and GOTA QSO breakdown box on page 2 of this form.

June 2020 – FD Form

Page 1 of 2

18. Field Day Call Used: _____

	CW		Digital		Phone	
	QSO	POWER	QSO	POWER	QSO	Power
160 M						
80 M						
40 M						
20 M						
15 M						
10 M						
6 M						
2 M						
1.25 M						
70 CM						
Other						
Satellite						
GOTA						
TOTALS		CW		Digital		Phone
	Enter on Line 8 of Summary		Enter on Line 9 of Summary		Enter on Line 10 of Summary	

19. GOTA BONUS: List names/calls of GOTA operators, number of QSOs completed by each, and the 20 (up to 100) point basic GOTA Bonus earned by each if applicable:

Name / CALL	# of QSOs	Bonus Points Earned (for 20 or more contacts – up to 100 contacts)

Check if claiming double bonus for GOTA Coach

20. Did your Field Day Group claim the Youth Element Bonus: _____ Yes _____ No

If so, how many participants 18 or younger completed at least one QSO? _____

Total number of attendees in group age 18 or younger _____

Appendix E

ARRL Field Day 2020 Rules

Temporary Rule Waiver for ARRL Field Day 2020:

For Field Day 2020 only, Class D stations may contact all other Field Day stations, including other Class D stations, for points. (See Field Day rule 4.6)



1. Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit and may submit entries as check-logs.

2. Object: To work as many stations as possible on the 160, 80, 40, 20, 15 and 10 Meter HF bands, as well as all bands 50 MHz and above, and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

3. Date and Time Period: Field Day 2020 will be held June 27-28. Field Day is ALWAYS the fourth full weekend, beginning at 1800 UTC Saturday and ending at 2059 UTC Sunday.

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No class A or B station may begin its set-up earlier than 0000 UTC on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.

4. Entry Categories: Field Day entries are classified according to the maximum number of *simultaneously* transmitted signals, followed by a designator indicating the nature of their individual or group participation. The minimum number of transmitters that must be claimed is one (1). Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters which may legitimately be used simultaneously will determine your entry category classification, but will not earn additional bonus points (i.e. 22 transmitters = 22A). The use of switching systems that allow for lock-outs in order to use multiple transmitters (i.e., an "octopus") in an attempt to enter a lower-number-of-transmitters class are prohibited (i.e. using 2 transmitters that can transmit simultaneously, with two operators, and a lock-out system and entering class 1A). The use of simulcasting devices which allow a single operator to key and transmit on more than one transmitter at a time, is prohibited. **Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.**

4.1. (Class A) Club / non-club portable: Club or a non-club group of three or more persons set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). To be listed as Class A, all contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately as Class A-Commercial.

4.1.1. Get-On-The-Air (GOTA) Station. Any Class A (or F) entry whose transmitter classification is two or more transmitters may also operate one additional station without changing its base entry category, known as the GET-ON-THE-AIR (GOTA) station. **This GOTA station may operate on any Field Day band, HF or VHF, but is limited to one GOTA station transmitted signal at any time.**

4.1.1.1. This station **must use** a different callsign from the primary Field Day station. The GOTA station must use the same callsign for the duration of the event regardless if operators change. **The GOTA station uses the same exchange as its parent.**

4.1.1.2. **The GOTA station may be operated by any person licensed since the previous year's Field Day, regardless of license class. It may also be operated by a generally inactive licensee. Non-licensed persons may participate under the direct**

supervision of an appropriate control operator. A list of operators and participants must be included on the required summary sheet to ARRL HQ.

4.1.1.3. As per FCC rules, this station must have a valid control operator present at the control point if operating beyond the license privileges of the participant using the station.

4.1.1.4. The maximum transmitter output power for the GOTA station shall be **150 watts**. If the primary Field Day group is claiming the QRP multiplier level of 5, the maximum transmitter output power of the GOTA station may not exceed 5 watts.

4.1.1.5. A maximum of 1000 QSOs made by this station may be claimed for credit by its primary Field Day operation. In addition, bonus points may be earned by this station under rule 7.3.13.

4.1.1.6. The GOTA station may operate on any Field Day band. Only one transmitted signal is allowed from the GOTA station at any time.

4.1.1.7. The GOTA station does not affect the additional VHF/UHF station provided for under Field Day Rule 4.1.2. for Class A stations.

4.1.1.8. Participants are reminded that non-licensed participants working under the direction of a valid control operator may only communicate with other W/VE stations or with stations in countries with which the US has entered a third-party agreement.

4.1.1.9. The GOTA station does not qualify as an additional transmitter when determining the number of transmitters eligible for the 100-point emergency power bonus under Rule 7.3.1.

4.1.2. Free VHF Station: All Class A entries may also operate one additional transmitter if it operates exclusively on any band or combination of bands above 50 MHz (VHF/UHF) without changing its basic entry classification. This station does not qualify for a 100-point bonus as an additional transmitter. This station may be operated for the clubs Field Day period and all contacts count for QSO credit. It is operated using the primary callsign and exchange of the main Field Day group and is separate and distinct from the GOTA station.

4.2. (Class A - Battery) Club / non-club portable: Club or non-club group of three or more persons set up specifically for Field Day. All contacts must be made using an output power of 5 Watts or less **and** the power source must be something other than commercial power mains or motor-driven generator (e.g.: batteries, solar cells, water-driven generator). Other provisions are the same for regular Class A. Class AB is eligible for a GOTA station if GOTA requirements are met; however if a GOTA station is used in this class it must meet the 5-Watt or less power requirement of this category.

4.3. (Class B) One or two person portable: A Field Day station set up and operated by no more than two persons. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B entries will be listed separately.

4.4. (Class B - Battery) One or two person portable: A Field Day station set up and operated by no more than two persons. All contacts must be made using an output power of 5 Watts or less **and** the power source must be something other than commercial mains or motor-driven generator. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B - Battery entries will be listed separately.

4.5. (Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile. If the Class C station is being powered from a car battery or alternator, it qualifies for emergency power but does not qualify for the multiplier of 5, as the alternator/battery system constitutes a motor-driven generating system.

4.6. (Class D) Home stations: Stations operating from permanent or licensed station locations using commercial power. ~~Class D stations may only count contacts made with Class A, B, C, E and F Field Day stations.~~

Temporary rule waiver: For Field Day 2020 only, Class D stations may work all other Field Day stations, including other Class D stations, for points. Class D stations ordinarily may only count contacts made with Class A, B, C, E, and F Field Day stations, but the temporary rule waiver for 2020 allows Class D stations to count contacts with other Class D stations for QSO credit.

4.7. (Class E) Home stations - Emergency power: Same as Class D, but using emergency power for transmitters and receivers. Class E may work all Field Day stations.

4.8. (Class F) Emergency Operations Centers (EOC): An amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Class F stations are eligible for a free VHF station. At Class 2F they are also eligible for a GOTA station.

4.8.1. For Field Day purposes, an Emergency Operations Center (EOC) is defined as a facility established by:

- a) a Federal, State, County, City or other Civil Government, agency or administrative entity; or,
 - b) a Chapter of a national or international served agency (such as American Red Cross or Salvation Army) with which your local group has an established operating arrangement;
- 4.8.1.1. A private company EOC does not qualify for Class F status unless approved by the ARRL Field Day Manager.

4.8.2. Planning of a Class F operation must take place in conjunction and cooperation with the staff of the EOC being activated.

4.8.3. Other provisions not covered are the same as Class A.

4.8.4. A Class F station may claim the emergency power bonus if emergency power is available at the EOC site.

4.8.4.1. The emergency power source must be tested during the Field Day period but you are not required to run the Class F operation under emergency power.

5. Exchange:

Stations in ARRL / RAC sections will exchange their Field Day operating Class and ARRL / RAC section. Example: a three transmitter Class A station in Connecticut which also has a GOTA station and the extra VHF station would send "3A CT" on CW or Digital, or "3 Alpha Connecticut" on Phone.

DX stations send operating class and the term DX (i.e. 2A DX).

6. Miscellaneous Rules:

6.1. A person may not contact for QSO credit any station from which they also participate.

6.2. A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other callsign to participate in Field Day. Family stations are exempt provided the subsequent callsign used is issued to and used by a different family member.

6.3. Field Day contacts are allowed using Phone, CW and Digital (non-CW) modes. Stations can be worked once per band per mode under this rule.

6.4. All voice contacts are equivalent.

6.5. All non-CW digital contacts are equivalent.

6.6. Cross-band contacts are not permitted (Satellite QSOs cross-band contacts are exempted).

6.7. The use of more than one transmitter at the same time on a single band-mode is prohibited. Exception: a dedicated GOTA station may operate as prescribed in Rule 4.1.

6.8. No repeater contacts are allowed.

6.9. Batteries may be charged while in use. Except for Class D stations, the batteries must be charged from a power source other than commercial power mains. To claim the power multiplier of five, the batteries must be charged from something other than a motor driven generator or commercial mains.

6.10. All stations for a single entry must be operated under one callsign, except when a dedicated GOTA station is operated as provided under Field Day Rule 4.1.1. it uses a single, separate callsign.

7. Scoring: Scores are based on the total number of QSO points times the power multiplier corresponding to the highest power level under which any contact was made during the Field Day period plus the bonus points.

7.1. QSO Points:

7.1.1. Phone contacts count one point each.

7.1.2. CW contacts count two points each.

7.1.3. Digital contacts count two points each.

7.2. Power multipliers: The power multiplier that applies is determined by the highest power output of any of the transmitters used during the Field Day operation.

7.2.1. If all contacts are made using a power of 5 Watts or less **and** if a power source other than commercial mains or motor-driven generator is used (batteries, solar cells, water-driven generator), the power multiplier is 5 (five).

7.2.2. If all contacts are made using a power of 5 Watts or less, but the power source is from a commercial main or from a motor-driven generator, the power multiplier is 2. If batteries are charged during the Field Day period using commercial mains or a motor-driven generator the power multiplier is 2 (two).

7.2.3. If any or all contacts are made using an output power up to 150 Watts or less, the power multiplier is 2 (two).

7.2.4. If any or all contacts are made using an output power greater than 150 Watts, the power multiplier is 1 (one).

7.2.5. The power multiplier for an entry is determined by the maximum output power used by any transmitter used to complete any contact during the event. (Example: a group has one QRP station running 3 Watts and a second station running 100 Watts, the power multiplier of 2 applies to all contacts made by the entire operation).

7.3. Bonus Points: All stations are eligible for certain bonus points, depending on their entry class.

The following bonus points will be added to the score, after the multiplier is applied, to determine the final Field Day score. Bonus points will be applied only when the claim is made on the summary sheet and any proof required accompanies the entry or is received via email or normal mail delivery.

7.3.1. 100% Emergency Power: 100 points per transmitter classification if all contacts are made only using an emergency power source up to a total of 20 transmitters (**maximum 2,000 points.**) **GOTA station and free VHF Station for Class A and F entries do not qualify for bonus point credit and should not be included in the club's transmitter total.** All transmitting equipment at the site must operate from a power source completely independent of the commercial power mains to qualify. (Example: a club operating 3 transmitters plus a GOTA station and using 100% emergency power receives 300 bonus points.) **Available to Classes A, B, C, E, and F.**

7.3.2. Media Publicity: 100 bonus points may be earned for attempting to obtain publicity from the local media. A copy of the press release, or a copy of the actual media publicity received (newspaper article, etc.) must be submitted to claim the points. **Available to all Classes.**

7.3.3. Public Location: 100 bonus points for physically locating the Field Day operation in a public place (i.e. shopping center, park, school campus, etc). The intent is for amateur radio to be on display to the public. **Available to Classes A, B and F.**

7.3.4. Public Information Table: 100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site. A copy of a visitor's log, copies of club handouts or photos is sufficient evidence for claiming this bonus. **Available to Classes A, B and F.**

7.3.5. Message Origination to Section Manager: 100 bonus points for origination of a formal message to the ARRL Section Manager or Section Emergency Coordinator by your group from its site. You should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. **The message must be transmitted during the Field Day period and a copy of it must be included in your submission in standard ARRL radiogram or no credit will be given. The message must leave or enter the Field Day operation via amateur radio RF.**

The Section Manager message is separate from the messages handled in Rule 7.3.6. and may not be claimed for bonus points under that rule. **Available to all Classes.**

7.3.6. Message Handling: 10 points for each formal message originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages). **Copies of each message must be included with the Field Day report. The message to the ARRL SM or SEC under Rule 7.3.5. does not count towards the total of 10 for this bonus. Available to all Classes. All messages claimed for bonus points must leave or enter the Field Day operation via amateur radio RF.**

7.3.7. Satellite QSO: 100 bonus points for successfully completing at least one QSO via an amateur radio satellite during the Field Day period. "General Rules for All ARRL Contests" (Rule 3.7.2.), (the no-repeater QSO stipulation) is waived for satellite QSOs. Groups are allowed one dedicated satellite transmitter station without increasing their entry category. Satellite QSOs also count for regular QSO credit. Show them listed separately on the summary sheet as a separate "band." You do not receive an additional bonus for contacting different satellites, though the additional QSOs may be counted for QSO credit unless prohibited under Rule 7.3.7.1. The QSO must be between two Earth stations through a satellite. **Available to Classes A, B, and F.**

7.3.7.1 Stations are limited to one (1) completed QSO on any single channel FM satellite.
7.3.8. Alternate Power: 100 bonus points for Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum driven generator. This means an "alternate" energy source of power, such as solar, wind, methane or water. This includes batteries charged by natural means (not dry cells). The natural power transmitter counts as an additional transmitter. If you do not wish to increase your operating category, you should take one of your

other transmitters off the air while the natural power transmitter is in operation. A separate list of natural power QSOs should be submitted with your entry. **Available to Classes A, B, E, and F.**

7.3.9. WIAW Bulletin: 100 bonus points for copying the special Field Day bulletin transmitted by WIAW (or K6KPH) during its operating schedule during the Field Day weekend (listed in this rules announcement). An accurate copy of the message is required to be included in your Field Day submission. (Note: The Field Day bulletin must be copied via amateur radio. It will not be included in Internet bulletins sent out from Headquarters and will not be posted to Internet BBS sites.) **Available to all Classes.**

7.3.10. Educational activity bonus: One (1) 100-point bonus may be claimed if your Field Day operation includes a specific educational-related activity. The activity can be diverse and must be related to amateur radio. It must be some type of formal activity. It can be repeated during the Field Day period but only one bonus is earned. For more information consult the FAQ in the complete Field Day packet. **Available to Classes A & F entries and available clubs or groups operating from a club station in class D and E with 3 or more participants.**

7.3.11. Site Visitation by an elected governmental official: One (1) 100-point bonus may be claimed if your Field Day site is visited by an elected government official as the result of an invitation issued by your group. **Available to all Classes.**

7.3.12. Site Visitation by a representative of an agency: One (1) 100-point bonus may be claimed if your Field Day site is visited by a representative of an agency served by ARES in your local community (American Red Cross, Salvation Army, local Emergency Management, law enforcement, etc.) as the result of an invitation issued by your group. ARRL officials (SM, SEC, DEC, EC, etc) do not qualify for this bonus. **Available to all Classes.**

7.3.13. GOTA Bonus. Class A and F stations operating a GOTA station may earn the following bonus points:

7.3.13.1. When a GOTA operator successfully completes 20 QSOs, they receive 20 bonus points. Upon reaching an additional 20 QSOs the same operator receives a second 20 bonus points, up to a maximum of 100 Bonus points per GOTA operator. An operator may make more than 100 QSOs but the QSOs over 100 do not qualify for an additional bonus.

7.3.13.1.1. Additional GOTA operators may earn the GOTA bonus points under this rule, up to the maximum of 500 bonus points. (Remember that there is a 1000-QSO limit for the GOTA station. But no single GOTA operator may earn more than 100 of the GOTA bonus points except as provided in 7.3.13.2.)

7.3.13.1.2. A single GOTA operator must complete all 20 QSOs required before the bonus is earned. There is no "partial credit" for making only a portion of the 20 QSOs or "pooling" QSOs between operators.

7.3.13.2. If a GOTA station is supervised full-time by a GOTA Coach, the bonus points earned for each 20 QSOs completed under Rule 7.3.13.1. will be doubled.

7.3.13.2.1. The GOTA Coach supervises the operator of the station, doing such things as answering questions and talking them through contacts, but may not make QSOs or perform logging functions.

7.3.13.2.2. To qualify for this bonus, there must be a designated GOTA Coach present and supervising the GOTA station at all times it is being operated.

7.3.14. Web submission: A 50-point bonus may be claimed by a group submitting their Field Day entry via the <https://field-day.arrl.org/fdentry.php> web app. **Available to all Classes.**

7.3.15. Field Day Youth Participation:

7.3.15.1. A 20-point bonus (maximum of 100) may be earned by any Class A, C, D, E, or F group for each participant age 18 or younger at your Field Day operation that completes at least one QSO.

7.3.15.2. For a 1-person Class B station, a 20-point bonus is earned if the operator is age 18 or younger. For a 2-person Class B station, a 20-point bonus is earned for each operator age 18 or younger (maximum of 40 points.) Keep in mind that Class B is only a 1 or 2 person operation. This bonus does not allow the total number of participants in Class B to exceed 1 or 2.

7.3.16 Social Media: 100 points for promoting your Field Day activation to the general public via an active, recognized and utilized social media platform (Facebook, Twitter, Instagram, etc). This bonus is available to bona fide Amateur Radio clubs and Field Day

groups that welcome visitors to their operation. Individual participants do not qualify for this bonus. Club websites do not qualify for this bonus. Available to all classes.

7.3.17 Safety Officer Bonus: A 100-point bonus may be earned by having a person serving as a Safety Officer for those groups setting up Class A stations. This person must verify that all safety concerns on the Safety Check List (found in the ARRL Field Day Packet) have been adequately met. This is an active bonus – simply designating someone as Safety Officer does not automatically earn this bonus. A statement verifying the completion of the Safety Check List must be included in the supporting documentation sent to ARRL HQ in order to claim this bonus.

8. Reporting:

8.1. Entries may be submitted to the ARRL via:

8.1.1. Field Day Web App at <https://field-day.arrl.org/fdentry.php> or

8.1.2. USPS or other delivery service to (tracking highly recommended): Field Day Entries, 225 Main St, Newington, CT 06111.

8.2. Entries must be postmarked or submitted by Tuesday July 28, 2020. Late entries cannot be accepted.

8.3. A complete Field Day Web Applet Submission site entry consists of:

8.3.1. An official ARRL summary sheet which is completed via web app at <https://field-day.arrl.org/fdentry.php>;

8.3.2. Supporting information uploaded via web app. Supporting information must include:

8.3.2.1. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode – a Cabrillo log can be submitted in lieu of a Dupe Sheet/Calls list by band/mode); and

8.3.2.2. Proof of all bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.3.2.3 The web app will display a confirmation number and email a confirmation of your Field Day entry to the email address entered via the app. Please be sure to record this confirmation number and/or save the confirmation email.

8.4 While the preferred method of submitting entries is via the Web Applet, entries and/or supporting documentation may alternately be submitted via email to fieldday@arrl.org. A complete non-web-app email submission consists of:

8.4.1. An electronic copy of an ARRL summary sheet completely and accurately filled out;

8.4.2. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.4.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.5. A complete land/postal-mail or delivery non-electronic submission consists of:

8.5.1. A complete and accurate ARRL summary sheet;

8.5.2. An accompanying list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.5.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.6. Complete station logs are NOT required for submission, and ARRL does not use the logs. The club should maintain log files for one year in case they are requested by ARRL HQ. However, a list of stations worked sorted by band and mode (dupe sheet) is required.

8.7. Cabrillo format log files are NOT required for Field Day entries, but they will be accepted in lieu of the dupe sheets (but do not constitute an entry unless the web app (or a corresponding summary sheet with complete mailed entry) is also submitted.

8.8. Digital images of proof of bonus points are acceptable.

8.9. Electronic submissions are considered signed when submitted.

9. Miscellaneous:

9.1. The schedule of bulletin times for WIAW is included in this announcement. While WIAW does not have regular bulletins on weekends, the Field Day message will be sent according to the schedule included with this announcement. The WIAW bulletins will be transmitted on the regular WIAW frequencies listed in *QST*. The

PSK31 bulletin will be transmitted on the WIAW teleprinter frequencies. The special Field Day bulletin will be transmitted from station K6KPH on the West Coast as included in the bulletin schedule.

9.2. See "General Rules for All ARRL Contests," "General Rules for All ARRL Contests on Bands Below 30 MHz," and "General Rules for All ARRL Contests on Bands Above 50 MHz" for additional rules (www.arrl.org/contest-rules) that may cover situations not covered in these Field Day rules. Decisions of the ARRL Awards Committee are final in adjudicating Field Day problems.

9.3. **The complete Field Day information package may be obtained by:**

9.3.1. Sending a SASE with 5 units of postage to: Field Day Information Package, ARRL, 225 Main St., Newington, CT 06111; or

9.3.2. By downloading from the Field Day home page at: www.arrl.org/field-day

9.4. For more Field Day information/questions contact: fdinfo@arrl.org or phone (860) 594-0232.

Revised 6/2020

Appendix F



ARRL Home Field Day Home Rules Entry Form Entries Received Soapbox

2019 Field Day Entry - Confirmation

Congratulations! You've successfully submitted your Field Day entry, as well as uploaded all required documentation. Your confirmation number is **4417881**. A summary of your submission is provided below for your review, as well as e-mailed to you. If you have any questions about your entry, please contact the Contest section at contests@arrl.org.

If you need to update your entry, enter soapbox comments or upload photos of your Field Day activities, please use the appropriate link below (also included in the e-mail sent to you).

Link

Update entry/upload documents	http://field-day.arrl.org/fdentry.php?call=w7g&id=4417881
Soapbox comments/photos	http://contests.arrl.org/contestsoapbox.php?call=w7g&id=4417881

Summary

Entry received at: 2019-07-10 22:42:39 UTC

Submitted by: **Brian Wright, W7OWO** E-mail: W7OWO@harveycreek.com

Call Used: **W7G** GOTA Station Call: **W7YAM** ARRL/RAC Section: **OR** Class: **4A**

Participants: **67** Club/Group Name: **McMinnville ARC**

Power Source(s): **Generator, Battery, Solar**

Power Multiplier: **2X**

Preliminary Total Score: 2,404

Bonus Points:

Bonus	Points	Status
100% emergency power	400	
Public information table	100	Documented by Supplemental-Verification Info.pdf
Site visit by invited elected official	100	
Site visit by invited served agency	100	
Educational activity	100	
Youth participation (11 x 20, max of 100)	100	
Safety officer	100	Documented by SafetyOfficerCheckList.pdf
Social media	100	
Satellite QSO	100	

Entry submitted via web 50
Total bonus points 1,250

Score Summary - Cabrillo log/dupe sheet file: MARC Field Day 2019 Sorted Contact List.pdf

	CW	Digital	Phone	Total
Total QSOs	133	74	163	
Total Points	266	148	163	577

Claimed Score = (QSO points x power mult) = 1,154

Band/Mode QSO Breakdown:

Band	CW		Digital		Phone	
	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
160m						
80m			23	35	14	100
40m	34	100	28	35	59	100
20m	99	100			26	100
15m			23	35		
10m						
6m						
2m					20	50
222						
432					2	50
Other						
Satellite					1	5
GOTA					41	100
Total	133		74		163	

GOTA Station: GOTA Coach - Double Bonus Points

Name	Call	QSOs	Bonus Points
Andy	W7YAM	1	0
Austin	W7YAM	1	0
Carl	W7YAM	1	0
Carol	W7YAM	1	0
Cody	W7YAM	1	0
Curtis	W7YAM	1	0
Finley	W7YAM	1	0
Grace	W7YAM	1	0
Hunter	W7YAM	1	0
Kayleen	W7YAM	1	0
Kylie	W7YAM	2	0
Laurie	W7YAM	1	0
Lilly	W7YAM	2	0
Linda	W7YAM	1	0
Mira	W7YAM	1	0
Nathan	W7YAM	11	0
Parrish	W7YAM	1	0

Appendix G

Count, Call, Band, Mode, Station Worked, Exchange Received

1, W7G, 15M, FT8, AA6CV, 20A SB
2, W7G, 15M, FT8, AJ6HT, 1D SCV
3, W7G, 15M, FT8, K6EI, 9A SCV
4, W7G, 15M, FT8, K6MMM, 3A SCV
5, W7G, 15M, FT8, K7BSK, 1A UT
6, W7G, 15M, FT8, K7F, 3A NV
7, W7G, 15M, FT8, K7HMR, 1B NV
8, W7G, 15M, FT8, KB0VHA, 1E CO
9, W7G, 15M, FT8, KB7RUQ, 1D UT
10, W7G, 15M, FT8, KC5RUO, 1B NM
11, W7G, 15M, FT8, KE7END, 3A NV
12, W7G, 15M, FT8, KY7M, 1E AZ
13, W7G, 15M, FT8, N6RY, 1D AZ
14, W7G, 15M, FT8, N7XCZ, 1E NV
15, W7G, 15M, FT8, NL7D, 1D AZ
16, W7G, 15M, FT8, NW8S, 5A OH
17, W7G, 15M, FT8, W0PE, 1E ORG
18, W7G, 15M, FT8, W6BA, 5A ORG
19, W7G, 15M, FT8, W6KJ, 5A SV
20, W7G, 15M, FT8, W6TRW, 7A LAX
21, W7G, 15M, FT8, W6ZE, 6A ORG
22, W7G, 15M, FT8, W7U, 5A UT
23, W7G, 15M, FT8, WU0I, 1N SJV
24, W7G, 20M, CW, AB5ER, 2F AR
25, W7G, 20M, CW, AB9CA, 1E IN
26, W7G, 20M, CW, AB9YS, IA IL
27, W7G, 20M, CW, AF0S, 3F CO
28, W7G, 20M, CW, K0AV, 1A CO
29, W7G, 20M, CW, K0MPH, 2B WI
30, W7G, 20M, CW, K0OU, 2A KS
31, W7G, 20M, CW, K0Z, 3A MN
32, W7G, 20M, CW, K1IMI, IE ME
33, W7G, 20M, CW, K1LX, 3A ME
34, W7G, 20M, CW, K1RK, 2A EMA
35, W7G, 20M, CW, K2NJ, 2F NNJ
36, W7G, 20M, CW, K2TOP, 2A NNJ
37, W7G, 20M, CW, K4NN, 3A VA
38, W7G, 20M, CW, K4OJ, 5A NFL
39, W7G, 20M, CW, K4RC, 2A VA
40, W7G, 20M, CW, K5TU, 2E STX
41, W7G, 20M, CW, K7ARJ, 2A ID
42, W7G, 20M, CW, K7D, 3A OR
43, W7G, 20M, CW, K7KC, 1E UT
44, W7G, 20M, CW, K8ER, 1B MI
45, W7G, 20M, CW, K9ILS, 3D IL